"APPROVED FOR RELEASE: 06/13/2000

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CIA-RDP86-00513R000720620018-5

L 33228-66 EVT(m)/TIJP(c) ACC NRI AP6021588 SOURCE CODE: UR/0314/66/000/003/0027/0029 AUTHOR: Karaulov, V. M. (Engineer); Selivanov, A. N. (Engineer) 96 ORG: none TITLE: Results of tests on shock-cavitation colloidal mills SOURCE: Khimicheskoye i neftyanoye mashinostroyeniye, no. 3, 1966, 27-29 TOPIC TAGS: colloid chemistry, cavitation, electric motor, production engineering, chemical dispersion, colloidal mill/L-202 colloidal mill, L-808 colloidal mill ABSTRACT: The article presents formulas for calculating productivity and capacity of electric motors of shock-cavitation colloidal mills. The formulas are derived from results of tests of the mills 1-202 and 1-808 produced by the Doutsch Vakuumapparat Company, conducted at the Tambov anilino Dye Plant. The mills L-202 and L-808 have several deficiencies, rostricting their extensive use in dispersion of suspensions. 7 The most substantial deficiencies discovered during the testing are: rapid wear of rotor striking pins in processing suspensions, overheating, rapid wear of bearings, low capacity of electric motors, overheating of suspensions in the process of dispersion, and excessive foaming. Orig. art. has: 4 formulas and 1 table. [JPRS: 35,728] SUB CODE: 07, 14 / SUBM DATE: none / ORIG REF: COL

KARAULOV, Ye.V., kand.arkhitektury

Architectural design features of the brick walls of buildings in Moscow at the end of the 18th and beginning of the 19th century.

Mat. po ist. stroi. tekh. no.2:181-213 '62. (MIRA 16:5)

(Moscow--Brick walls)

: Cultivated Plants - Potatoes, Vegetables, Cucurbits. CATEGORY

ABS. JOUR. : RZhBiol., Ne.14, 1958, No.63416

: USSR

COUNTRY

AUTHOR : Aleksandrov, S. V., Karaulova, A. I. : All-Union Institute of PlantCultivation INST.

: New Method of Growing Tomatoes in Hothouses. TIME

ORIG. FUB. : Sad i ogorod, 1957, No. 12, 12-15

: In 1956, an experiment on growing tomatoes in bottomless LABSTRACT

cylindrical vessels (made of Sawad asbestos-coment tubes 14.5 cm in diameter and 20 cm in height placed on slug) was carried out at VIR and the laboratory of Leningrad hothouse-hotbed combine. The vessels were filled to 2/3 with a mixture of humus and turf soil, and tomato seedlings of the variety Leningradskiy skorospelyy aged 20 days were set out. Slag was wetted daily with water. Once a week, the plants were fed with a solution of mineral fartillzers. In the first month of fruit bearing, a yield of 4.65 kg

from 1 m² was gathered (33% more than with the cultivation

Card: 1/2

13

CIA-RDP86-00513R000720620018-5" **APPROVED FOR RELEASE: 06/13/2000**

KARAULOVA, L.P.

Continuous production of yeasts. Spirt.prom. 27 no.4:34 '61. (MIRA 14:6) (Biysk-Yeast)

KARAULOVA, M.

NURSES AND NURSING

Popov family. Med. sestra no. 4, 1952.

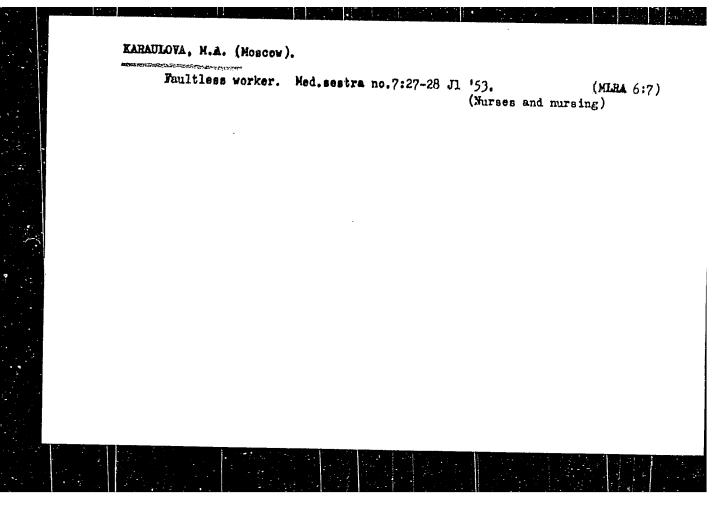
Monthly List of Russian Accessions, Library of Congress. November, 1952. Unclassified.

KARAULOVA, M.

Nurses and Nursing

Nurse A.D. Petrova. Med. sestre No. 9, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.



KARAULOVA, N.A. (Moscow).

Worthy example. Med.sestra no.7:28 Jl '53. (MLEA 6:7)

(Nurses and nursing)

(Chernykh, Polina Fedorovna)

EARAULOVA, M.A. (Moscow).

Polina Fedorovna Chernykh. Med.sestra no.12:29 D '53. (MLRA 6:12)

VIDINEYEV, Yu.D.; BALAKIN, A.Ya., inzh.; KARAULOVA, N.P., tekhn.

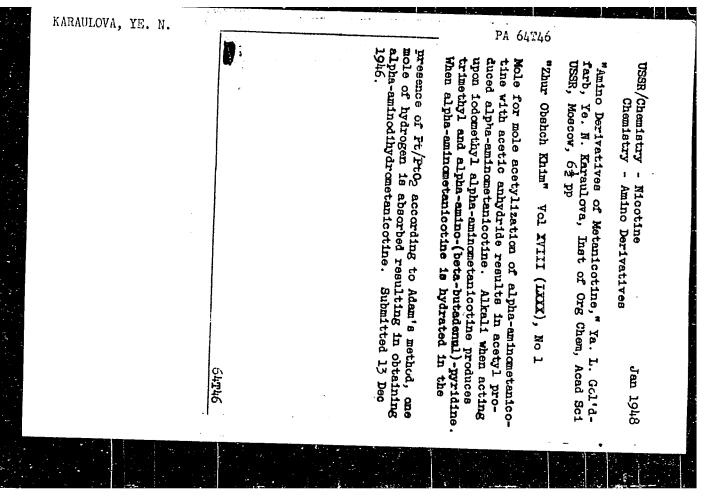
Wire dynamometer for reinforcement wire. Bet. i zhel.-bet. 8
no.3:126-127 Mr '62. (MIRA 15:3)

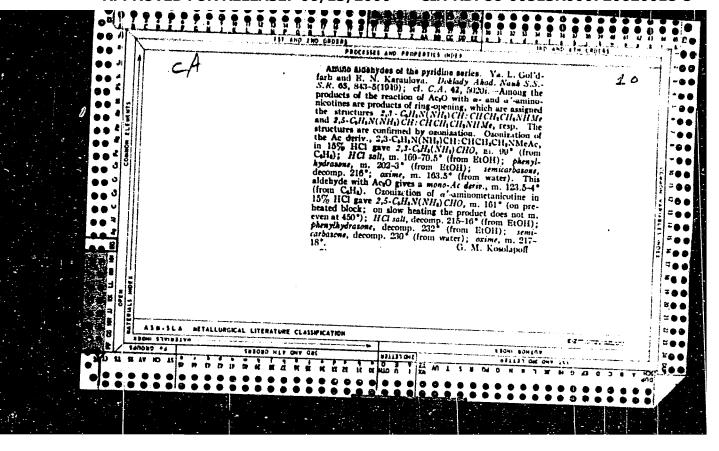
(Dynamometer) (Concrete reinforcement)

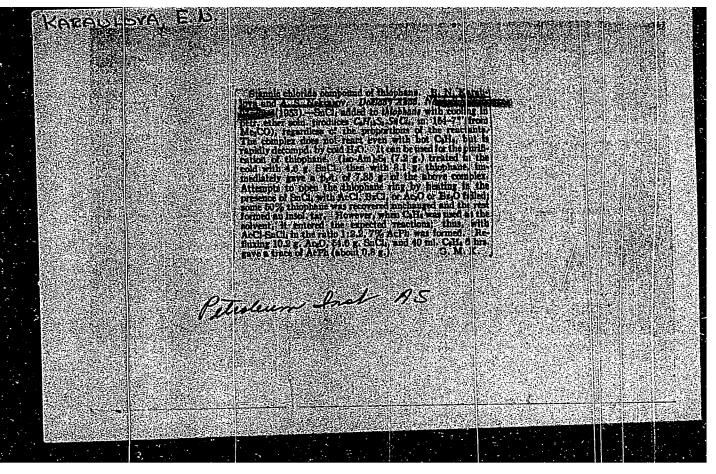
"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720620018-5 of Schences USSR, During Tuering, Vol. 4. USSK Chemtstry Petitoleum 21137726 12 " METER METER!" WOL 2, 22 133-138 Keranlova NATOLIO GEROZDIJ LISUS LOGOVERANIJONE, BURY TO COMP. Many rooks, if gockore, gray range and solvers, are solvers, and solvers, are solvers, and solvers, are solvers, and solvers, are solvers, and solvers, and solvers, are solvers, and solve *GEOLOGICAL Structure of the Volas Region Next Serrationer of herrician Gases Hame in the contraction of the first of the contraction of Feet Barre Free 3, He tree 3, He south the state of the south of of the s Krayemi Thent Startin, 150 56, 1048. LOVA, V. V. Academy 如药 APPROVED FOR RELEASE: 06/13/200

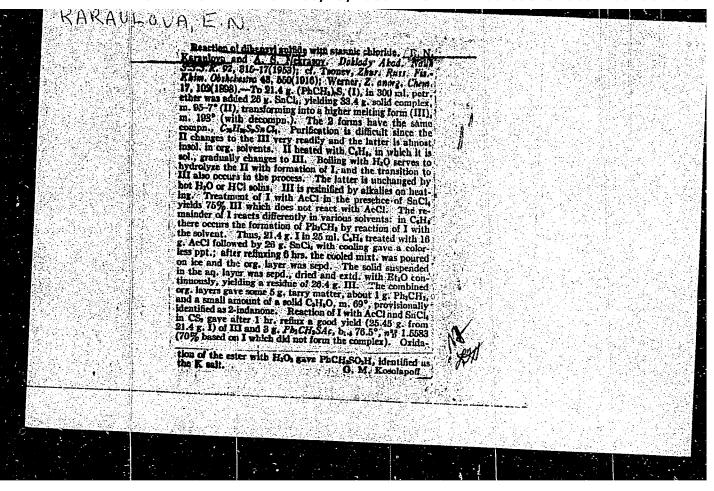
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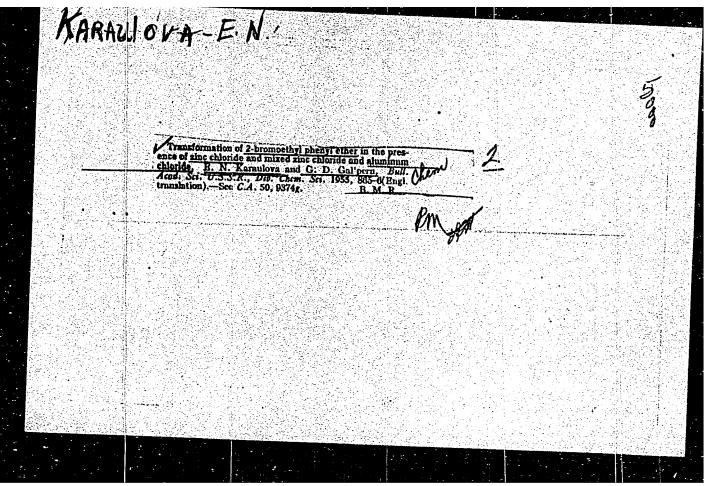
CIA-RDP86-00513R000720620018-5











KARAULOVA, Ye.W.; GAL'PERN, G.D.

Conversion of β -bromoethylphenyl ether in the presence of sinc chloride and mixtures of sinc chloride and aluminum chloride. IEV.AN SSSR.Otd.khim.nauk no.5:949-950 S-0 '55. (MLRA 9:1)

1. Institut organicheskoy khimii imeni N.D. Zelinskogo Akademii nauk SSSR. (Bromoethyl phenyl ether)

Subject

MANDELLE A FETT.

: USSR/Chemistry

AID P - 3754

Card 1/1

Pub. 152 - 18/22

Authors

: Karaulova, Ye. N. and A. S. Nekrasov THE RESERVE OF THE PROPERTY OF THE PARTY OF

Title

Synthesis of dibenzyl sulfide

Periodical

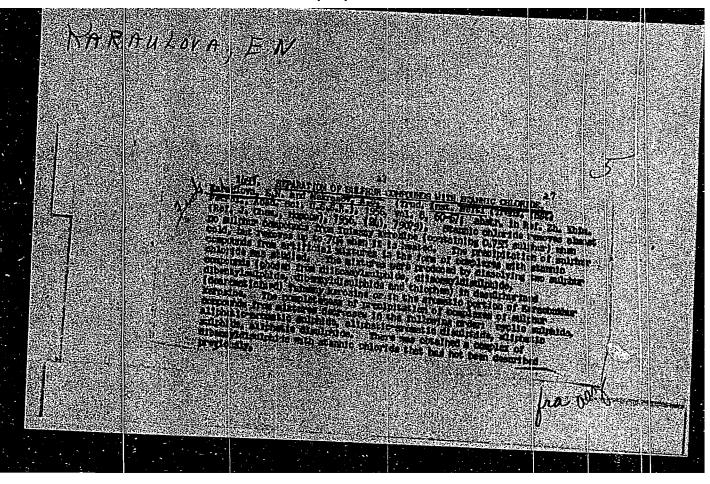
: Zhur. prikl. khim. 28, 9, 1012-1013, 1955

Abstract

The synthesis of dibenzyl sulfide from benzyl chloride and sodium sulfide with a yield of 93% is described in detail. This method may also be used for the preparation of alkyl- and aralkyl sulfides. Four references, none Russian.

Institution : None

Submitted : Mr 12, 1954



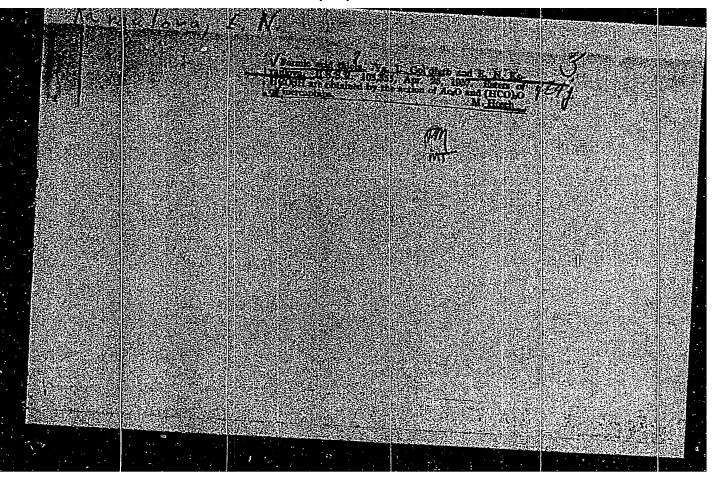
KARAULOVA, Ye.N.; GAL'PERN, G.D.

Oxidation of sulfides with hydrogen peroxide. Khim.i tekh.topl.no.9;
39-14 S '56.

(MURA 9:10)

1. Institut nefti Akademii nauk SSSR.
(Sulphides) (Hydrogen peroxide)

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720620018-5



AUTHORS: Karaulova, Ye. N., Meylanova, D. Sh., Gal pern, G. D. 79-11-27/56

TITLE: On the Thermal Isomerization of Allylarylsulfides (O termicheskoy izomerizatsii allilarilsul!fidov).

PERIODICAL: Zhurnal Obshchey Khimii, 1957, Vol. 27, Nr 17, pp. 3034-3040

ABSTRACT: According to Claisen the characteristic property of the allylaryl-esters is the so-called regrouping, the ability of isomerizing into o-allylphenols on heating. It was attempted to apply the thermal isomerization to the sulfuranalogues of these esters, to allylphenylsulfide and oand p-allyltolylsulfide. In contrast to the results obtained

by Hurds and Greengards it was found that on heating (boiling) of allylphenylsulfide without solvents no

allylthiophenol is to be obtained, but only propenylphenylsulfide which, if heated, yields concentration products. The

structure of the product obtained in the thermal

isomerization of allylphenylsulfide was determined by hydrogenation over nickel. Thus this isomerization with Card 1/2 subsequent formation of allylthiophenols (Claisenian

On the Thermal Isomerization of Allylarylsulfides

79-11-27/56

regrouping), like in the analogous oxygen compounds, has no effect. In thermal isomerization the allylarylsulfides are converted to the corresponding propenylarylsulfides. At first they obtained allyl-o-tolylsulfide, allyl-o-tolylsulfone, propenyl-o- and p-tolylsulfides, propenyl-otolylsulfone, cis- and trans-propenylphenylsulfones. Allylphenylsulfide and propenylphenylsulfide are split up by the solution of mercuric chloride in alcohol, on which occasion mercuric chloride of thiophenol forms. There are 1 figure, and 12 references, 2 of which are

ASSOCIATION: Petroleum Institute AS USSR (Institut nefti Akademii nauk

SUBMITTED: December 10, 1956

AVAILABLE: Library of Congress

Card 2/2 Allylarysulfides - Iscmerism 1.

AUTHOR:

KARAULOVA, Ye.N., MEYLANOVA, D.Sh.

20-6-26/59 ...

TITLE:

GAL PERN, G.D.

PERIODICAL:

On KLEISEN's Rearrangenment in the Allylarylsulphide Series. (O peregruppirovke Klayzena v ryadu allilarilsul'fidov, Russian)

Doklady Akademii Nauk SSSR, 1957, Vol 113, Nr 6, pp 1280 - 1282

HAMOULOVE, YO

ABSTRACT:

This rearrangement is an isomerization which, according to the opinion of some scientists, is characteristic not only of the allylarylethers but also of their analogys. In contrast to Hurd and Greengurd the authors found that in the case of boiling of allylphenylsulphide without solvent practically no allylthiophenol is formed, but an isomerization of the former in propenylphenylsulphide occurs. It is identical with the product insulated by Tarbell and Mc Call which they obtained by the action of sodium alcoholate in an alcoholic solution on allylphenylsulphide. When standing or warming propenylphenylsulphide forms condensation products. The thermal isomerization of the allylarylsulphides develops according to the scheme:

Ars - $CH_2CH = CH_2 \xrightarrow{\text{to}}$ ArscH = $CHCH_3$; (Ar = C_6H_5 , o- $C_6H_4CH_3$) and n-C6H4CH3)

Furhtermore, the single reactions with yields and experimental

Card 1/2

On KLEISEN's Rearrangement in the Allylarylaulphide Series.

conditions are described in detail. A colored reaction with sulphuric acid is characteristic of the here investigated propenylarylsulphides: A red coloring results, which quickly changes into brown. In contrast to this, allylarylsulphides, after addition of concentrated H2SO4, turn only faint yellow. The obtained results allow the conclusion that KLEISEN's rearrangement does not take place in the case of the allylarylthioethers, in contrast to corresponding oxygen-compounds. Allylarylthioethers isomerize in the case of heating in corresponding propenylarylsulphides. (1 Slavic reference).

ASSOCIATION: Petroleum Institute of the Academy of Science of the U.S.S.R. PRESENTED BY: A.V.Topchiyev, Member of the Academy

24.12.1956

AVAILABLE

Library of Congress

Card 2/2

11(4)

PHASE I BOOK EXPLOITATION

SOV/1735

Akademiya nauk SSSR. Institut nauchnoy informatsii

Khimiya nefti i gaza (Chemistry of Petroleum and Gas) Moscow, Izd-vo AN SSSR, 1958. 477 p. (Series: Itogi nauki; khimicheskiye nauki, 2) Errata slip inserted. 3,000 copies printed.

Ed.: G.D. Gal'pern, Doctor of Chemical Sciences; Ed. of Publishing House: I.P. Loskutova; Tech. Ed.: Ye. V. Makuni.

PURPOSE: This book is intended for the specialist working in the field of petroleum chemistry and for the organic chemist working in related fields.

COVERAGE: This is the first volume of the series devoted to the progress made in petroleum and gas chemistry. The first part of this collection contains survey articles compiled by the staff of the Petroleum Institute, AS USSR. The authors are specialists working on methods for the isolation, separation, and identification of sulfur organic compounds in petroleum. The articles give a survey

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of literature up to 1956 with some coverage of recent research up to 1958. The second part is concerned with the characteristics of high molecular weight compounds and methods for the study of their

TABLE OF CONTENTS:

From the Editor

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PART I. THE CHEMICAL COMPOSITION OF THE SULFUR COMPONENTS IN PETROLEUM AND METHODS FOR ANALYZING THEM

Luk yanitsa, V.G. Methods for the Analysis of Sulfur Compounds in This article reviews the literature on qualitative and quantitative analysis of sulfur organic compounds in 13 petroleum, on problems dealing with the elementary functional, group, and systematic analysis of sulfur-containing petroleum products, and on methods used in the analysis of sulfuric acid. The author includes tables for the comparison of procedures Card 2/6

SOV/1785

for the systematic analysis of complex mixtures containing all possible groups of sulfur organic compounds. Special attention is given to modern electrochemical analytical methods in nonaqueous media. There are 18 tables and 582 references, 134 of which are Soviet.

Sergiyenko, S.R., and V.N. Perchenko. Study of the Chemical Structure of Sulfur Organic Compounds in Petroleum by Means The authors review papers on the methods for the hydrogenation of sulfur organic compounds. The method of catalytic hydro-113 genation promises to be very effective in the study of the structure of sulfur organic compounds. There are 9 tables and 29 references, 11 of which are Soviet, 3 English,

Karaulova, Ye.N. Oxidation of Sulfur Compounds This review article fills a gap in literature surveys. Card 3/6

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SOV/1785

It presents systematically the experimental research on oxidation methods for the separation of the sulfur compounds in petroleum. The author includes comparative tables for groups of compounds and for oxidizers used. There are 3 tables and 136 references, 20 of which are Soviet, 77 English, 26 German, 10 French, 2 Italian, and 1 Dutch.

PART II. HIGH MOLECULAR WEIGHT COMPOUNDS OF PETROLEUM

Sergiyenko, S.R. High Molecular Weight Compounds of Petroleum This review covers the study of the composition of highboiling petroleum fractions. It includes much of the author's own research. Several of the points are debatable and the classification of organic compounds into one large group of "hybrids" is regarded by the editor as improper. A problem which has not yet been solved, namely, the relationship between monomers and polymers in is also treated. It is assumed that there are two basic types of polymers in crudes: the primary and the secondary polymers. N.D. Zelinskiy and K.P. Lavrovskiy indicated

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that steroids are possible primary compounds. the view of A.F. Dobryanskiy, asphaltenes, carbenes, and In spite of carboids are very often regarded as secondary polymeric components of petroleum. Much space is given to cancerogenic components of petroleum. There are 26 figures, 41 tables, and 247 references, 120 of which are Soviet.

Smirnov, B.A. Use of Infrared Spectroscopy in the Study of the Hydrocarbon Composition of Petroleum and Petroleum Products The author reviews existing literature on infrared spectroscopy in studies of the hydrocarbon composition in crudes and petroleum products. He covers the spectral analysis of individual and group compositions, ranging from gases to heavy oils. A description is given of the possible use of infrared spectroscopy in the analysis of high-boiling fractions and in the classification of hydrocarbon types. There are 81 references, 6 of which are Soviet

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Card 5/6

5(3)

· AUTHORS:

Karaulova, Ye. N., Keylanova, D. Sh., Gal'pern, G. D.

SOV/20-123-1-26/56

TITLE:

Synthesis of 2-Methyl- and 3-Methyl-1-Thia-Indans and 2-Ethylthiaindene (Sintez 2-metil- i 3-metil-1-tiaindanov

PERIODICAL:

Doklady Akademii nauk SSSR, 1958, Vol 123, Nr 1, PP 99 - 101 (USSR)

ABSTRACT:

In connection with the investigation of the sulfurcontaining compounds of the medium naphtha fractions so-called semiaromatic sulfur compounds are of interest.

Among them, particular attention deserve the alkyl derivatives of the 1-thia-indan (2,3-dihydro-thianaphthene) with substituents in a 5-membered ring. The authors found, in search for a synthesis method for such compounds, that the hitherto unknown 2- and 3methyl-1-thia-indans (III) can be easily produced by a gradual reduction of the sulfones (I) of the

Card 1/3

corresponding 2- and 3-methyl-thia-indenes. A simple

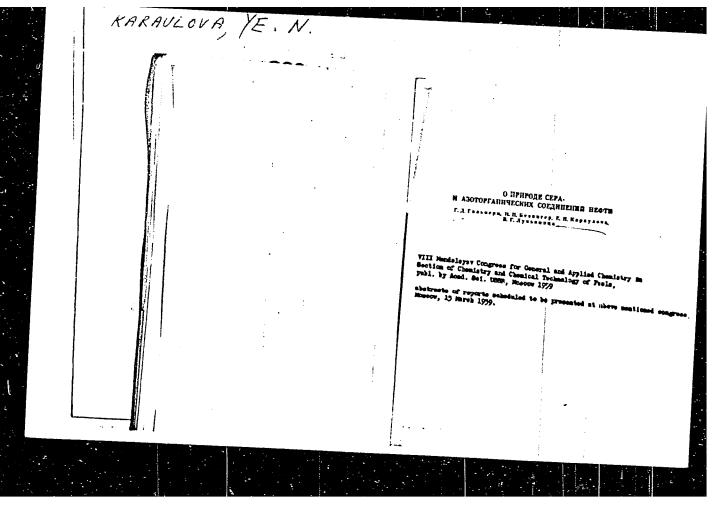
Synthesis of 2-Methyl- and 3-Methyl-1-Thia-Indans and SOV/20-123-1-26/56

method of synthesis of the 2-alkyl-thia-indenes is the metallization of the thin-indene (thianaphthene) by n-butyl lithium with subsequent alkylation by dialkyl sulfates. By the influence exerted by dimethyl- and diethyl sulfate upon 2-thia-indenyl lithium the 2-methyl-thia-indene and the 2-ethyl-thia-indene heretofore not described were obtained. The first can be oxidized by hydrogen superoxide to form 2methyl-thia-indene sulfone (Ia). The structure of the 2-methyl-1-thie-inden (IIIa) was confirmed by a synthesis according to the given scheme. Experimental data (being not denoted as such), are following. There are 6 references, 1 of which is Soviet.

ASSOCIATION: Institut nefti Akademii nauk SSSR (Petroleum Institute of the Academy of Sciences, USSR)

PRESENTED: Card 2/3

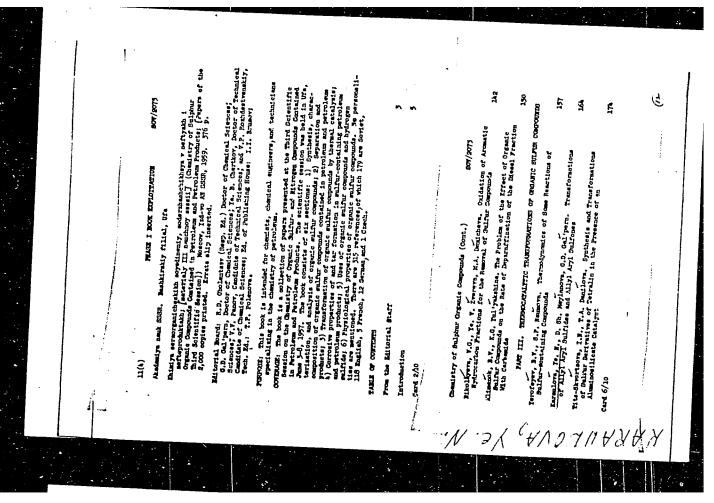
June 14, 1958, by A.V. Topchiyev, Academician



KARAULOVA, &. N., OBOLENTSEV, R. E., GAIPPEN, G. L., AIVATOV, B. V.,
ENTINGER, W. N., IUKYANITSA, V. G., RATOVSKAYA, A. A., TILOFTYEV, V. D.

"Composition of Sulfur- Mitrogen-Organic Compounds Contained in
the Oil of the mastern areas in the Soviet Union."

Report submitted at the Fifth World Petroleum Congress, 30 Jay
June 1959. New York.



5 (3) AUTHORS:

Gol'dfarb, Ya. L., Karanlova, Ye. N. SOV/62-59-6-24/36

TITLE:

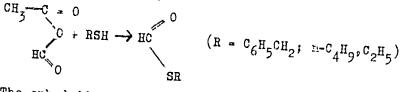
On Some Esters of Thiolformic Acid (O nekotorykh efirakh tiolmuravinoy kisloty)

PERIODICAL:

Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk, 1959, Nr 6, pp 1102 - 1105 (USSR)

ABSTRACT:

The thiolesters are widely used in different industrial branches as intermediate products (Refs 1-11). The present investigation was concerned with a detailed investigation of the formic acid esters which are of interest for these intermediates and up till now scarcely described in publications. Thielformic acid was produced by formylation of the sulfohydrile group of the compound RSH by use of an anhydride combination of formic- and acetic acid.



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The anhydride forming reacts with its formylradical with hydro-

On Some Esters of

Thiolformic Acid

SOV/62-59-6-24/36

xyl containing compounds (Refs 14-17). On the basis of an example, formylation of benzylmercaptan was carried out for the purpose of avoiding a decomposition of the anhydride compound, the reaction temperature was chosen in so low a range that no separation of carbondioxide could take place. The benzylester of the thiolformic acid (I) was obtained. The buthylester of the thiolformic acid was under quite similar conditions also produced from buthyl- and ethylmercaptan with the anhydride combination. Furthermore, it was shown that the trithiolformic acid, by passing an intermediate stage, forms the esters of the thiolformic acid. (I) reacted in the presence of hydrochloric acid with benzylmercaptan under formation of the ester of the orthotrithiolformic acid. The esters of the thiolformic acid proved to serve as N-formylating agents. By the action of (I) upon α -aminopyridine formyl- α -aminopyridine was obtained; by reacting with all thiolformates described here with phenylhydrazine β -formylphenylhydrazine is formed. There are 20 references, 2 of which are Soviet.

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On Some Esters of

Thiolformic Acid

SOV/62-59-6-24/36

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii

nauk SSSR (Institute of Organic Chemistry imeni N. D.

Zelinskiy of the Academy of Sciences, USSR)

SUBMITTED:

September 11, 1957

Card 3/3

GAL'PERM, G.D.; KARAULOVA, Ye.N.; NOVOZHILOVA, T.S.

Adsorption of sulfoxides from dilute solutions. Trudy Inst.nefti 13:51-57 '59. (MIRA 13:12) (Sulfoxide) (Hydrocarbone)

AUTHORS:

Karaulova, Ye. N., Meylanova, D. Sh., SOV/79-29-2-63/71 Gal pern, G. D.

TITLE:

Synthesis of 3-Methyl-1-Thiaindane and Regrouping of Allylaryl Sulfones (Sintez 3-metil-1-tiaindana i peregruppirovka

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 2, pp 662-666 (USSR)

ABSTRACT:

Of topical interest is the synthesis of the so-called "semiaromatic" bicyclic compounds, as components of various mineral oils, especially those of the homologues of 1-thiaindane, with substituents in the hydrogenized ring. H. I. Backer and N. Dost (Ref 1) found that on heating allylphenyl sulfone with H₂SO₄,

which contains boron fluoride, an isomerization takes place under formation of a product, to which the structure of 3-methyl-2,3-dihydrothionaphthene sulfone was ascribed. The reduction of the sulfone group therein should lead to

3-methyl-1-thiaindane (3-methyl-2,3-dihydronaphthene). However, on reducing the "cycloisomerization product" of allyl-

phenyl sulfone, which was obtained according to reference 1, the authors found no 3-methyl-1-thiaindane, but propylphenyl

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Synthesis of 3-Methyl-1-Thiaindane and Regrouping of Allylaryl Sulfones

SOV/79-29-2-63/71

sulfone, almost quantitatively. Thus the compound assumed by the above authors as being 3-methylthiaindane sulfone has no bicyclic structure; the isomerization product of allylphenyl sulfone was found to be a propenyl phenyl aulfone. Likewise, propenyl-n-tolyl sulfone forms on the action of H2SO4 in the presence of boron fluoride upon allyl-n-tolyl sulfone; on the reduction with LiAlH4 the latter is transformed into propyl--n-tolyl sulfone. Thus, on the action of H2SO4 upon allylaryl sulfones no cyclization takes place under formation of 3-methyl-1-thiaindane sulfone. In this connection, allylaryl sulfones isomerize immediately into propenyl compounds in the way shown by scheme in reference 2. Further experiments showed that the synthesis of 1-thiaindanes by cyclization of allylaryl sulfides and sulfones is not possible in good yields. The synthesis of 1-thiaindanes was also attempted over thiaindenes (benzothiophenes) and their derivatives. 3-methyl-1-thiaindane was obtained by the reduction of 3-methylthiaindene sulfone. (Scheme 2). The structure of 3-methyl-1-thiaindane was

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Synthesis of 3-Methyl-1-Thiaindane and Regrouping of Allylaryl Sulfones

sov/79-29-2-63/71

determined by hydrodesulphurization over nickel (Scheme 3). The yield in 3-methyl-1-thiaindane amounts to 41 %, calculated for thiophenol. There are 10 references, 2 of which

ASSOCIATION:

Institut nefti Akademii nauk SSSR

(Petroleum Institute of

the Academy of Sciences, USSR)

SUBMITTED:

December 4, 1957

Card 3/3

. 5(3)

AUTHORS:

Karaulova, Ye. N., Gal'pern, G. D.

SOV/79-29-9-48/76

TITLE:

On the Reduction of Sulfexides

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 9, pp 3033-3036 (USSR)

ABSTRACT:

In the separation of the sulfides from petroleum distillates as sulfoxides (Ref 1) the authors had to find a uniform preparative method of regeneration of the sulfides from sulfoxides, which is of general interest but had hitherto not been dealt with in publications. Previous reduction experiments of dibenzyl sulfoxide with zinc dust in acetic acid medium failed; dibenzyl sulfide is formed in low yields in a mixture of acetic- and hydrochloric acid. From the publications it may be seen that various other methods of reducing sulfoxides are not suited (Refs 2-11). In the preceding paper the sulfoxides were reduced 1) with hydricdic acid, 2) with aluminum lithium hydride. D. Jerchel, L. Dippelhofer, D. Renner showed that dialkyl sulfoxides with long chains may be qualitatively determined by the reduction with potassium iodide in acid medium. This method may, however, not be used for a quantitative determination of the sulfoxides (Ref 13). In this case

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On the Reduction of Sulfoxides

507/79-29-9-48/76

it was found, however, that the effect of hydricdic acid may be used in the preparative reduction method of sulfoxides to sulfides. In the reaction of diisoamyl-, dibenzyl-, diphenyl-, 3-methyl-1-thiaindane sulfoxide with potassium iodide in hydrochloric-acetic acid medium the corresponding sulfides are formed in rather good yields. The separation of iodine in this reaction may serve as qualitative reaction to the sulfoxides. The presence of sulfides and aromatic hydrocarbons in this case has no disturbing effect; only in the presence of oxidizing agents which are capable of separating iodine from potassium iodide and from compounds which easily link iodine such as phenols, unsaturated hydrocarbons etc this determination cannot be carried out. According to F. Braun (Ref 14) the aluminum lithium hydride was used as reducing agent of diisoamyl-, dibenzyl-, diphenyl-, 3-methyl-1-thiaindane sulfoxide in ether-benzene solution with the corresponding sulfides resulting smoothly. The latter reduction method is to be preferred to that with hydriodic acid since this acid may iodinate the reaction products. The reduction of the sulfoxides with aluminum lithium hydride is not complete; however, the sulfoxide which at first did not com-

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On the Reduction of Sulfoxides

507/79-29-9-48/76

pletely enter the reaction may be successfully reduced once more. There are 18 references, 5 of which are Soviet.

ASSOCIATION: Institut nefti Akademii nauk SSSR (Petroleum Institute of the

Academy of Sciences USSR)

SUBMITTED:

August 6, 1958

Card 3/3

5(3) 507/20-124-3-25/67 'AUTHORS:

Karaulova, Ye. N., Gal'pern, G. D.

An Oxidation Method for Separation of Sulfides From the Medium TITLE: Fraction of Petroleum (Okislitel'nyy metod vydeleniya sul'fidov

iz srednikh fraktsiy nefti)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 124, Nr 3, pp 583-585

(USSR)

Luk'yanitsa and Gal'pern (Ref 1) have found that the oxidation ABSTRACT:

potential of organic sulfides into sulfoxides differs markedly from that of the oxidation of hydrocarbons and of sulfur compounds in other groups. Consequently, there is a possibility of a selective oxidation of the sulfides in the medium petroleum fraction. By an addition of glacial acetic acid and hydrogen superoxide it is possible to transform the sulfides

quantitatively into sulfoxides without affecting the hydrocarbons themselves or the compounds of the thiophene series. The resulting sulfoxides are washed out with water, the extract is concentrated in the vacuum and treated with chloroform.

The chloroform extract is dried by means of calcium chloride and chromatographed on silica gel. From the silica gel the

Card 1/2 sulfoxides are re-extracted by means of petroleum ether, benzene,

507/20-124-3-25/67

An Oxidation Method for Separation of Sulfides From the Medium Fraction of Petroleum

chloroform, and alcohol. The elementary analysis of the sulf-oxides yields the general formulae ${}^{C}_{n}{}^{H}_{2n-2}S$, ${}^{C}_{n}{}^{H}_{2n-4}S$ and ${}^{C}_{n}{}^{H}_{2n}S$. Their constitution has not yet been investigated. -

The oxidation method proposed is of importance for Diesel oil and medium petroleum distillates, as the sulfur is contained mainly in the form of sulfides, whereas the hydrocarbons consist of difficultly oxidizable compounds. There are 3 tables and 5 Soviet references.

ASSOCIATION: Institut nefti Akademii nauk SSSR (Petroleum Institute of the

Academy of Sciences, USSR)

PRESENTED: July 29, 1958, by A. V. Topchiyev, Academician

SUBMITTED: July 29, 1958

Card 2/2

LUK'YANITSA, V.G.; KARAULOVA, Ye.N.; GAL'FERN, G.D. doktor khimicheskikh nauk

Study of sulfur compounds of petroleum in the Soviet Union.

Metod.anal.org.soed.nefti,ikh smes. i proizv. no.1:6-20 '60.

(MIRA 14:8)

(Petroleum—Analysis) (Sulfur organic compounds)

KARAULOVA, Ye.N.; GAL'PERN, G.D., doktor khimicheskikh nauk

Separation of sulfides in a form of sulfoxides from concentrates of sulfur compounds and aromatic hydrocarbons in intermediate petroleum fractions (preliminary methods). Metod.anal.org.soed. nefti,ikh smes. i proiz. no.1:101-106 '60. (MIRA 14:8)

(Sulfoxides)

KARAULOVA, Ye.N.; MEYLANOVA, D.Sh.; GAL'PERN, G.D.

Synthesis of methyl-L-thiaindanes. Khim.sera-i azotorg.soed.sod.v meft. i mefteprod. 3:25-33 160. (MIRA 14:6)

1. Institut neftekhimicheskogo sinteza AN SSSR. (Benzothiophene)

KARAULOVA, Ye.N.; GAL'PERN, G.D.

Separation of concentrates of sulfur compounds and aromatic hydrocarbons by selective oxidation and chromatography, following the example of the 175-300° fraction of Romashkino oils. Khim.sers.i azotorg.soed.sod.v neft.i nefteprod 3:227-239 160. (MIRA 14:6)

1. Institut neftekhimicheskogo sinteza AN SSSR. (Sulfoxide) (Hydrocarbons)

Karaulova, Ye.N.; MEYLANOVA, D.Sh.; GAL'PERN, G.D.

Synthesis of 2- and 3-alkyl-1-thiaindans. Zhur.ob.khim. 30 no.10: 3292-3297 0 '61. (MTRA 12:4)

1. Institut neftekhimicheskogo sinteza AN SSSR. (Thiaindan)

KARAULOVA, Ye.N.; GAL'PERN, G.D.

Separation of sulfoxides from oxidized sulfur-containing aromatic concentrates. Neftekhimia 1 no.3:335-338 My-Je 161. (MIRA 16:11)

1. Institut neftekhimicheskogo sinteza AN SSSR.

KARAULOVA, Ye.N.; SMIRNOV, B.A.; GAL'PERN, G.D.

Investigation of sulfides from the keresene of the Romashkino oil field. Neftekhimia 1 no.3:339-349 My-Je '61. (MIRA 16:11)

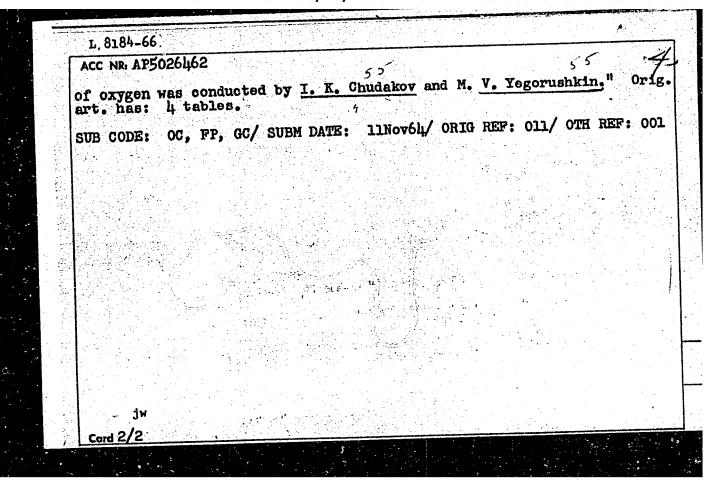
1. Institut neftekhimicheskogo sinteza AN SSSR.

NUMANOV, I.U.; GAL'PERN, G.D.; KARAULOVA, Ye.N.; BEZINGER, N.N.; CHATKO, V.P.; EKOBELINA, A.I.; SPECHILOVA, T.V.

Composition, properties, and methods of extraction of heteroatomic components from the petroleums of southerr Central Asia. Izv. AN Turk, SSR.Ser. fiz.-tekh., khim. i geol.nauk no.5:31-35 163. (MIRA 18:1)

1. Khimicheskiy institut AN Tadzhikskoy SSR.

L 8184-66 EWT(m) UR/0204/65/005/005/07 SOURCE CODE: ACC NR: AP5026462 Numanov, AUTHOR: Galipern, ORG: Institute of Petrochemical Synthesis im. A. V. Topchiyeva AN SSSR (Institut neftechimicheskogo sinteza AN SSSR) TITLE: Isolation of sulfides from average petroleum fractions from the Khaudag and Kyzyl-Tumshuk fields SOURCE: Neftekhimiya, v. 5, no. 5, 1965, 747-752 TOPIC TAGS: petroleum, petroleum refining, petroleum product, organic sulfur compound, oxidation, solvent extraction ABSTRACT: The nature of the organic sulfur compounds in the above central Asian petroleums was investigated. The method used for isolating sulfides - obtaining concentrates of the sulfur aromatics, selectively oxidizing with equivalent amounts of hydrogen peroxide, and chromatographic separation - was also found applicable to high sulfur petroleums. 71-75% of the sulfides present in the 150-3500 fractions of the two petroleums studied were separated as sulfoxides. Elemental analysis indicated that these sulfoxides were mostly mixtures of mono- and bicyclic compounds of various structures. "Determination UDC: 665.51(575.4):665.547.932 Card 1/2



DENISOVA, S.I.; MEN'SHIKOVA, G.P.; KARAULOVA, Ye.Ya.

Isolation of a dark violet amphorus pigment from the mycelium of Actin myces fulvoviolaceus strain 9700. Trudy Inst. microbiol. no.8:338 '60. (MIRAL4:1)

1. Institut eksperimen al'noy i klinicheskoy onkologii AMN SSSR. (ACTINOMYCETALES)

KARAULOVSKIY, N.N.

Phase phenomena in the formation of conditioned cardiac reflex.

Trudy Vses.ob-va fiziol.biokhim.i farm. 2:43-49 54. (MLRA 8:7)

1. Kafedra normal'noy fiziologii Chelyabinskogo meditsinskogo instituta.

(HEART, physiology, conditioned reflex, phase phenomena) (HEFLEX, CONDITIONED, heart, phase phenomena)

BRUSILOVSKAYA, D.; BURMISTROV, T.; GLASYRINA, L.; KARAULOVSKIY, F.;
KHODOROV, V.

In memory of V.M. Vasilevskii. Trudy Vses. ob-va fiziol., biokhim.
(MIRA 10:4)

1 farm, 3:166-168 '56
(VASILEVSKII, VIKTOR MIKHAILOVICH, 1907-1954)

SABININA, I.G.; KARAUL'SHCHIKOVA, N.N.; POSLAVSKAYA, O.Yu.; GRANITOV, I.I.; KOGAY, N.A.

Leonid Nikolaevich Babushkiu; on his 60th birthday. Izv.Uzb.fil. Geog.ob-va 6:187-189 '62. (MIRA 15:8) (Babushkin, Leonid Nikolaevich, 1902-)

SABININA, I.G.; KARAUL'SHCHIKOVA, N.N.

Leonid Nikolaevich Babushkin; on his 60th birthday. Meteor.

(MIRA 15:6)
i gidrol. no.7:69 Jl '62.

(Babushkin, Leonid Nikolaevich, 1902-)

MUMINOV, F.A.; KARAUL'SHCHIKOVA, N.N.

Features of the heat balance of a dotton field during the formation of the cotton ball under various conditions of moisture supply.

Trudy Sred.-Az. nauch.-issl. gidrometeor. inst. no.12:14-19 '62.

(MIRA 16:5)

(Crops and climate) (Cotton)

BALASHEVA, Yelena Nikolayevna; ZHITOMIRSKAYA, Ol'ga Moiseyevna; KARAUL'SHCHIKOVA, Nina Nikolayevna; SABININA, Irina Georgiyevna; SEMENOVA, O.A., red.; VAYTSMAN, A.I., red.; NIKOLAYEVA, G.S., tekhn. red.

[Climatic description of the Zeravshan Range region] Klimaticheskoe opisanie Zeravshanskogo raiona. [By] E.N.Balasheva i dr. Leningrad, Gidrometeoizdat, 1963. 118 p. (MIRA 16:8)

(Zeravshan Range region-Climate)

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21	TIE: Infrachromatic mat	erials for selection	n and teahudally 35	431,33
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	URCE: Zhurnal prikladno	y spektroskopii, v.	2, no. 6, 1965, 558-561	6 B
TC	PIC TAGS: IR photograph	y, photographic emul	sion, photographic proces	ssing
AB	STRACT: The article sum	marizes the photograp	nhia manamitan as man	
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KARAULOVSKIY, N. N., Candidate of Med Sci (diss) -- "Aspects of conditioned cardiac reflexes in dogs under normal conditions and in the experimental pathology of the cerebral cortex". Ufa, 1959. 20 pp (Bashkir State Med Inst im 15th Anniversary of VLKSM), 220 copies (KL, No 21, 1959, 119)

KARAUS, Evzen

Economical use of fuel and power. Energetika Cz 11 no.11:555-556

(Fuel) (Power resources)

How to reconstruct boilers. Energetika Cz 14 no. 4:
173-175 Ap '64.

1. Minstry of Fuels, Prague.

Possibility of ensuring small quantities of industrial and heating steam. Amergetike Cz 14 no.5:234-235 My 164.

1. Ministry of Fuel, Prague.

KARAUS, Evzen

Practical experiences in using Czechoslovak equipment for liquid fuel utilization in boiler furnaces. Energetika Cz 14 no.10:498-500 0 '64.

1. Ministry of Fuels, Prague.

KARAUS, Evzen

Coal handling equipment of boilers and the effect of stickiness of fine grain lignites. Energetika Cz 14 no.12:610-611 N '64.

1. Ministry of Fuel, Prague.

Q

KARAUSH, O.M.

USSR/Farm Animals. Horses.

Abs Jour: Ref Zhur-Biol., No 4, 1958, 16749.

Author : Karelin V.N., Karaush O.N., Stikan P.A.

Inst

Title

: The Basic Aspects of Purebreeding Work with the

Latvian Draft Breed of Horses (Osnovnyye polozheniya

plemennoy raboty s latviyskoy upryazlmoy porodoy

loshadey)

Orig Pub: Sb. tr. In-ta zootekhn. i zoogigiyery. AN IatvSSR,

1956, 8, 3-35.

Abstract: A breed of draft horses was raised in Latvia and was approved by the Council of Ministers of the

USSR in 1952. In the production of this breed, the principal factor was the crossing of Oldenburg and Hanover breeds of horses. From these crossings

: 1/2 Card

12

SOV/107-59-4-7/45

AUTHOR:

Karaush, S., Shchelchkov, G., Judges

TITLE:

The Strongest Took the First Place (Pervenstvo

zavoyevali sil'neyshire)

PERIODICAL:

Radio, 1959, Nr 4, p 9 (USSR)

ABSTRACT:

The authors review the results of the Fourth All-Union Competition of Female Radio Amateurs and list the winning radio clubs, teams and individual radio operators. A total of 685 women participated: 324 worked in teams on group radio stations, 29 had their individual short wave stations, the rest were observers. Although 74 radio clubs were represented, the authors complain that many clubs did not participate at all and that the number of participants was considerably lower than during the Third All-Union Competition. About 50 radio stations operated by females did not participate.

Card 1/1

SUB CODE: Card 2/2 (

EWT(1) SOURCE CODE: UR/0286/65/000/019/0084/0085 T. 8000-66 AP5026541 ACC NR: AUTHORS: ORG: none TITLE: Double-channel compensational photometer. Class 42, No. 175271 SOURCE: Byulleten' izobreteniy i towarnykh znakov, no. 19, 1965, 84-85 TOPIC TAGS: photometer, photometry, underwater light, date recording, water depth meter, sea water, 55 ABSTRACT: This Author Certificate describes a double-channel compensational photometer containing one source and one receiver of radiation, a modulator, spherical mirrors, a photometric wedge, and a device for automatic data recording (see Fig. 1). To increase the measuring range and to insure selection of optimum measuring conditions, the spherical mirrors in each channel have identical focal lengths. To determine the coefficient of transparency of sea water as a function of depth, a pressure transducer (depth meter) is attached to the submerged part of the photometer. DDC: Card 1/2 CIA-RDP86-00513R000720620018-5" SUBM DATE:

KARAUSHEV, A.V.

Some observations on a method of calculating the deformation of a river bed. Meteor. i gidrol. no.4:98-100 '48. (MIRA 8:2) (Rivers) (Hydraulic engineering)

- 1. KARAUSHEV, A. V.
- 2. USSR (600)

"Calculation of Drift Distribution in Currents." Trudy GGI. Issue 8 (62), 1948 (40-80)

9. Meteorologiya i Gidrologiya, No. 3, 1949. Report U-2551, 30 Oct 52.

MIRAH MEV I. V.

Konsushov A. V. and Mortonova D. V. "Application of the Theoretical Method in Delasting Deformation of the diver Del", <u>TerdyGOI</u>, No 8 (32), 1949 (81-91)

So: U-3030, 11 Mar 1953

- 1. KARAUSHEV, A. V.
- 2. USSR (600)
- 4. Dynamics of a Particle
- Comparison of the gravitation and diffusion theories of the movement of suspended particles as applicable to practical problems. Izv.AN SSSR Otd.tekh.nauk, no. 1.2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

KARAUSHEV, A. V.

"Calculation of Deformations in a Longitudinal Profile of a Scannel During the Change of the Level of Erosion," Tr. Gos. gidrol. in-ta. No 20, pp-14-28, 1953

No Abstract. (EZIM Ro. No 5, Mey 55)

Sum. No. 181, 7 Oct 55

KARAUSHEV, Anatoliy Vasil'yevich; MAKKAVEYEVA, V.M., professor, doktor tekhnicheskikh nauk, redaktor; VOLCHOK, K.M. tekhnicheskiy redaktor.

[Hydraulics of rivers and reservoirs (in problem form)] Gidravlika rek i vodokhranilishch (v zadachakh). Pod red. V.M. Makkaveeva. Leningrad, Izd-vo "Rechnoi transport," 1955. 290 p. (Hydraulic engineering) (MLRA 8:8)

KARAUSHEV, A.V.

Calculating the distribution of turbidity and deformation of beds on straight sections and windings of rivers. Trudy GGI no.56:75-95 '56.

(MLRA 10:8)

KARAUSHEV, Anatoliv Vasil avvich; PANCHURIN, Nikolay Aleksandrovich;

MAKKAVEYEV, V.H., doktor tekhnicheskikh nauk, professor, redaktor;

LEBEDEV, V.V., redaktor; VCECHOK, K.H., tekhnicheskiy redaktor

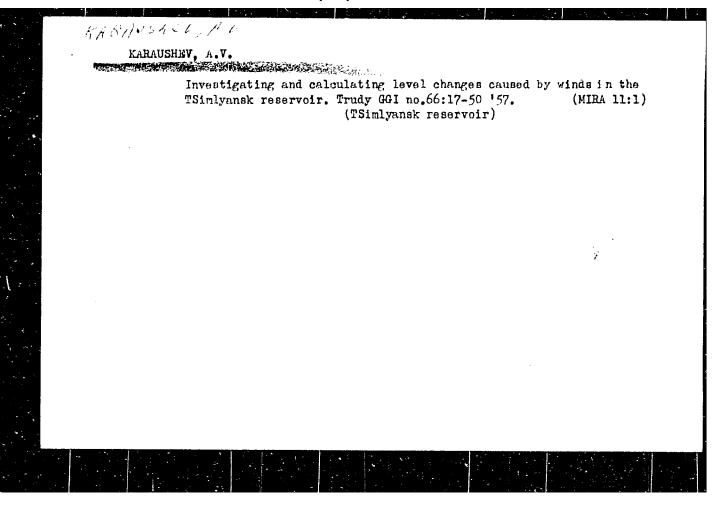
[Collection of problems in hydraulics] Sbornik zadach po gidravlike. Pod obshchei red. V.M.Makkaveeva. Leningrad, Ind-vo "Rechnoi transport," Leningr.otd-nie, Pt.2. 1957. 197 p. (MLRA 10:9) (Hydraulic engineering--Problems, exercises, etc.)

KARAUSHEV, A.V.

Water leveling on reservoirs. Trudy GGI no.66:5-16 '57. (MIRA 11:1)

(TSimlyansk reservoir)

(Leveling)



KARAUSHEV, A. V., Doc of Tech Sci -- (diss) "The Problems of the Dynamics of Natural Water Flows," weningrad, 1959, 35 pp (Leningrad Institute of Water Management) (KL, 2-60, 112)

KARAUSHKY, Anatoliy Vesil'yevich; MAKKAVEYEV, V.M., otv.red.; IVZHKNKO, A.Kh., red.; BRAYNINA, M.I., tekhn.red.

[Problems in the dynamics of natural water streams] Problemy dinamiki estestvennykh vodnykh potokov. Leningrad, Gidrometeor. izd-vo, 1960. 391 p. (MIRA 13:9) (Hydraulics)

KARAUSHEV, A.V.; MAKKAVEYEV, V.H., prof., doktor tekhn.nauk, otv.red.; IVZHENKO, A.Kh., red.; FLAUM, M.Ya., tekhn.red.

[Wind waves and swells on reservoirs and lakes] Sgonno-nagonnye iavleniia na vodokhranilishchakh i ozerakh. Leningrad, Gidrometeor.izd-vo. 1960. 215 p. (MIRA 13:7) (Waves) (Wind pressure) (Reservoirs)

SELYUK, Yelena Mikhaylovna, kand. tekhm. nauk; KARAUSHEV, A.V., kand.
tekhn. nauk; VEYNERT, V.A., inzh.; Prinimali uchastiye: VESFF,
V.Yu., mladshiy nauchnyy sotr.; GAVRILOVA, V.P., starshiy tekhnik;
PROSKURYAKOV, A.K., kand. tekhn. nauk, otv. red.; MIRONENKO, Z.I.,
red.; SOLOVEYCHIK, A.A., tekhn. red.

[Investigation, calculation, and prediction of wind waves in
reservoirs; practical manual] Issledovaniia, raschety i prognozy
vetrovogo volmeniia na vodokhranilishchakh; praktichskoe posobie.
Leningrad, Gidrometeor. izd-vo 1961. 220 p... Nomograms.

(Waves)

(Reservoirs)

(MIRA 14:9)

KARAUSHEV, A.V.; ABAKUMOV, V.I.; MARKUS, Ye.K.

Method for approximate calculation of the sedimentation rate of gats. Trudy Okean.kom. 8:109-113 '61. (MIRA 14:5)

1. Gosudarstvennyy gidrologicheskiy institut Gidrometsluzhby SSSR (for Karaushev). 2. Proyektnyy institut No.1 Ministerstya stroitel-stva RSFSR (for Abakumov, Markus).

(Sedimentation and deposition)

KARAUSHEV, A.V.

Ways of studying fluvial sediments. Trudy GGI no.100:3-25 '63. (MIRA 16:9) (Sedimentation and deposition)

KARAUSHEV, A.V.

Method of calculating the field of a silt load and the deformation of reservoir and river beds. Trudy GGI no.100:88-95 '63.

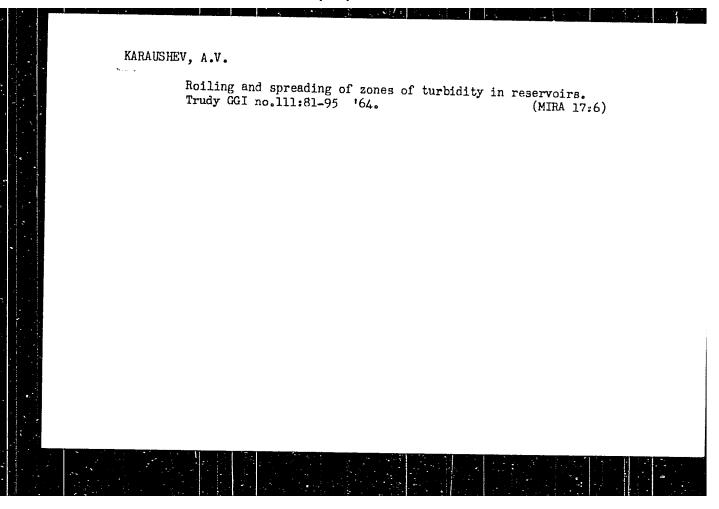
(MIRA 16:9)

(Sed:Imentation and deposition)

RAZUMIKHINA, K.V.; KARAUSHEV, A.V.

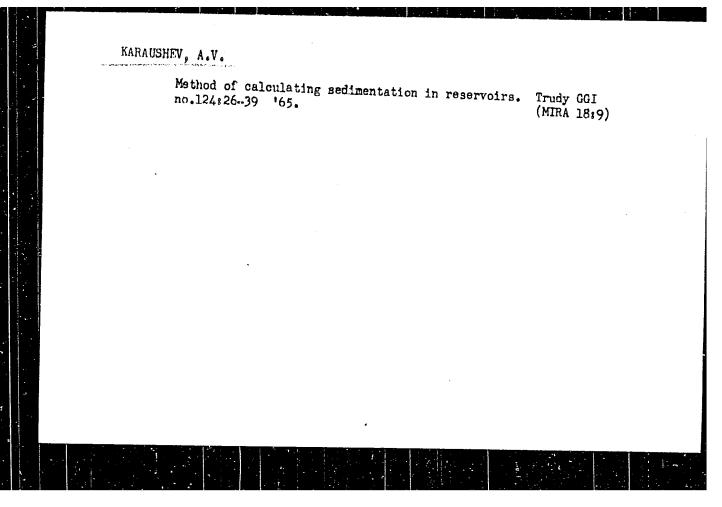
Using a photometer to determine the silt load of water. Trudy
GGI no.100:40-53 '63. (MIRA 16:9)

(Silt) (Photometers)



KARAUSHEV, A.V.; SOLOV'YFV, N.Ya.; YAKOVLEV, F.I.; ROMANOVSKIY, V.V.

Improvement of devices and equipment used in studying sediments of reservoirs. Trudy GGI no.111:122-130 '64. (MIRA 17:6)



ACC NR. AT6025059

(N)

SOURCE CODE: UR/3186/66/000/132/0046/0056

AUTHOR: Karaushev, A. V. (Doctor of technical sciences; Professor)

ORG: none

341

TITLE: Turbulence and turbidity in shallow zones of reservoirs and seas

SOURCE: Leningrad. Gosudarstvennyy gidrologicheskiy institut. Trudy, no. 132, 1966. Rezhim, teoriya, metody rascheta i izmereniya nanosov (Regime, theory, methods of calculating and measuring alluvium), 46-56

TOPIC TAGS: turbidity, turbulence, ocean current, calculation

ABSTRACT: This article examines the formation of turbulence of water masses in the shallow zones of reservoirs and seas in the presence of currents and wave action. Hypotheses are expressed concerning the character of the effect of these factors on turbulence and appropriate formulas are derived for the coefficient of turbulent exchange. The relatively stable values obtained for the experimental parameters of these formulas indicate the correctness of the dependence of the coefficient of turbulent exchange on waves, current, and bottom roughness which was used. An attempt is made to perfect the calculation dependences of the turbidity of water masses in the shallow zones of reservoirs and seas. The theoretical scheme of calculating the turbidity of water masses examined in this work is more complete than the previous scheme which was based primarily on analogies to channel flows. The new scheme of

Card 1/2

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KARAUSHEVA, A.I.

Characteristics of the radiation balance of well-delineated areas in central Moldavia. Mat.po meteor.i klim. no.1:87-101 '63. (MIRA 17:3)

BAZMADZHYAN, R.A.; KARAUSTYAN, T.V.; TER-MIKAELYAN, T.M.

Programmed realization of the algorithm of Armen an-Russian translation. NTI no.12:42-43 163. (MTRA 17:6)